

**PHYSICS 411-0 CLASSICAL MECHANICS**

Ian Low, Winter 2010

Course Webpage: [http://www.hep.anl.gov/ian/teaching/CM/CM\\_Winter10.html](http://www.hep.anl.gov/ian/teaching/CM/CM_Winter10.html)

*ASSIGNMENT #4*

Due at 2 PM, February 10th

**Reading Assignments:**

Chapter 6 of Goldstein's book.

**Problem 1**

Problem 6.4 of Goldstein's.

**Problem 2**

Problem 6.10 of Goldstein's.

**Problem 3**

Problem 6.13 in Goldstein's.

**Problem 4**

Problem 6.15 in Goldstein's.

**Problem 5**

Problem 6.20 in Goldstein's.